

Applicants: Prayaga et al.
U.S.S.N.: 09/732,436

Score = 113 bits (280), Expect = 9e-27

a⁴
cor.

Query: 2 VSL LVALVMISCH-IYSLFCDLPXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 60
Sbjct: 5 SSFLVALVALGCNSVCSLGCDLPQTHGLLNRRALTLLGQMRRLPASSCQKDRNDFAFPQD 64

Query: 61 XXXXXXXXXKAQVISALHKMHQQIFSLFLHKGLSDA-WNRAFLDKLQTGFHQLEDLETCTF 119
Sbjct: 65 VFGGDQSHKAQALSVVHVITNQKIFHFFCTEASSSAAWNNTLLEEFCTGLDRQLTRLEACV 124

Query: 120 GIEDGKQESALEIEGPT--LAIKRYFQGVHFFLKERKFRNCTWEVV--VMVKGFFLST 173
Sbjct: 125 LQEEVEEGEAPLTNEDIHPEDSILRNYFQRLSLYLQEKKYSPCAWEIVRAEIMRSLYYSST 184

Query: 174 KLQ 176
Sbjct: 185 ALQ 187 (SEQ ID NO:26)--

On page 12, replace the paragraph starting on line 15, with the following paragraph:

a⁵

--gi|547724 INTERFERON ALPHA PRECURSOR (IFN-ALPHA) (SEQ ID NO:11) aa 5-187
gi|124431 INTERFERON ALPHA-1 PRECURSOR (SEQ ID NO:21) aa 5-182
gi|124502 INTERFERON OMEGA-2 PRECURSOR (INTERFERON ALPHA-II-2) (SEQ ID NO:13)
aa 5-182
gi|400061 INTERFERON OMEGA-1 PRECURSOR (INTERFERON ALPHA-II-1) (SEQ ID NO:14)
aa 5-182--

On page 13, replace the first alignment starting on line 5 with the following alignment:

a⁶

--Length = 118
Score = 97.5 bits (239), Expect = 6e-22

Query: 69 KAQVISALHKMHQQIFSLFLHKGLSDAWNRAFLDKLQTGFHQLEDLETCTFGIEDGKQES 128
Sbjct: 16 KEDAALTIYEMLQNIFAIFRQDSSSTGWNETIVENLLANVYHQINHLKTVLEEKLEKEDF 75

Query: 129 ALEIEGPTLAIKRYFQGVHFFLKERKFRNCTWEVV 163
Sbjct: 76 TRGKLMSLHLKRYYGRILHYLKAKEYSHCAWTIV 110 (SEQ ID NO:25) aa 4-98--

On page 13, replace the paragraph starting on line 20, with the following paragraph:

a⁷

--gi|3318960|pdb|1AU1|A Chain A, Human Interferon-Beta Crystal Structure (SEQ ID NO:16) aa 37-146
gi|2624437|pdb|1RH2|A Chain A, Recombinant Human Interferon-Alpha 2b (SEQ ID NO:17) aa 35-143
gi|124432 INTERFERON ALPHA-1 PRECURSOR (SEQ ID NO:18) aa 58-167
gi|2147609 interferon-omega20 - rabbit (SEQ ID NO:19) aa 58-167--

Insert the enclosed sequence listing before the claims.

REMARKS

Applicants have amended the specification to recite SEQ ID NOs, and specific residues within SEQ ID NOs that are referred to in the specification.